Title (en)

APPARATUS AND METHOD FOR OPTIMIZING CONGESTION CONTROL INFORMATION IN A MULTI-PROTOCOL NETWORK

Title (de)

ANLAGE UND VERFAHREN ZUR OPTIMIERUNG VON ÜBERLASTREGELUNGSINFORMATION IN EINEM MEHRPROTOKOLLNETZWERK

Title (fr)

APPAREIL ET PROCEDE D'OPTIMISATION DES INFORMATIONS DE CONTROLE DE CONGESTION DANS UN RESEAU MULTI-PROTOCOLE

Publication

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Application

EP 98958366 A 19981217

Priority

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- US 166697 A 19971231

Abstract (en)

[origin: WO9935790A1] The benefits of Transport Control Protocol (TCP) over Available Bit Rate (ABR) Service of an Asynchronous Transfer Mode (ATM) network is extended to the entire TCP connection by intercepting and modifying TCP congestion control information in accordance with resource information associated with the TCP connection. An algorithm calculates a new advertised window size based on various network resource parameters, such as ABR. The advertised window is adjusted if the newly calculated window size is smaller than the advertised window size. By adjusting the TCP window, the normal extreme fluctuations of the TCP window are avoided.

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IPC 8 full level

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CPC (source: EP US)

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